

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-263910

(43)Date of publication of application : 20.10.1989

(51)Int.Cl.

G11B 5/66
G11B 5/704
G11B 5/706

(21)Application number : 63-089058

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(22)Date of filing : 13.04.1988

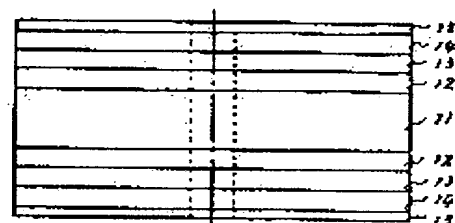
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(54) PERPENDICULAR MAGNETIC RECORDING MEDIUM AND MAGNETIC DISK DEVICE

(57)Abstract:

PURPOSE: To improve magnetic characteristics and adhesiveness so as to obtain a high recording density and to improve reliability by using intermediate layers of a Ti-alloy contg. specific elements in addition to Ti as nonmagnetic intermediate layers.

CONSTITUTION: The thin films added with at least one kind of the element selected from the group consisting of V, Nb, Ta, Cr, Mo, W, Mn, Ni, Pd, Pt, Cu, Ag, Au, C, Si, Ge, Ru, Os, Rh, and Ir are used for the intermediate layers 13, 13' of the Ti-base alloy of the perpendicular magnetic recording medium provided with the intermediate layers 13, 13' of the Ti-base alloy between hexagonal magnetic alloy layers 14, 14' and a nonmagnetic substrate 11. The c-axis orientational property and magnetic characteristics of the hexagonal magnetic alloy layers 14, 14' are thereby greatly improved and the magnetic disk and device having the good recording and reproducing characteristics and reliability are thereby obtd.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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